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(54) Title: METHOD FOR MAKING INDUSTRIAL CHEMICALS

(57) Abstract: A process for producing industrially important chemicals from renewable resources is disclosed. This "biobased" process employs readily available, renewable resources comprising fatty acids rather than exploiting fossil sources, such as coal and petroleum. In one embodiment of the process 1-octene, along with methyl-9-decanoate and butadiene, is produced from linoleic acid via an enzymemediated isomerization reaction, followed by a metathesis reaction with ethylene. Linoleic acid can be isolated from vegetable oils, such as soybean oil.